

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
12 May 2005 (12.05.2005)

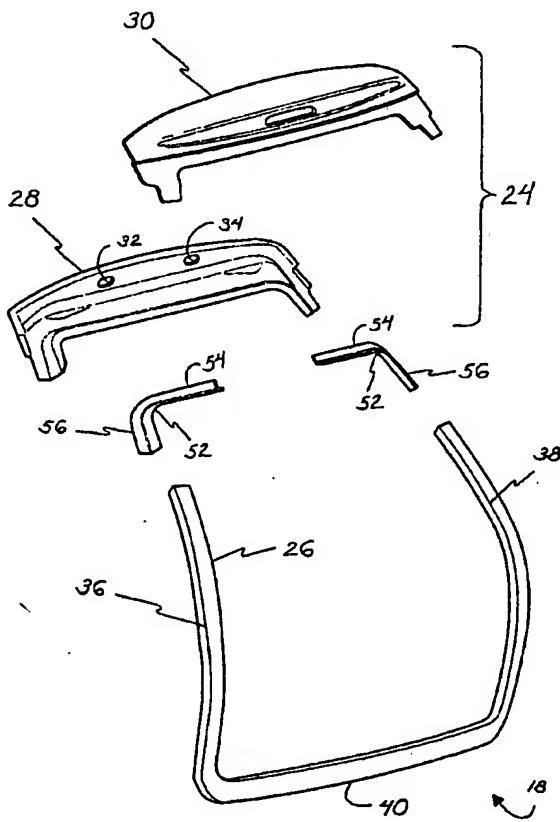
PCT

(10) International Publication Number
WO 2005/042287 A1

- (51) International Patent Classification⁷: **B60J 5/10** (74) Agents: **HILLIARD, Thomas, P. et al.**; Pillsbury Winthrop LLP, P.O. Box 10500, McLean, VA 22102 (US).
- (21) International Application Number: **PCT/US2004/035145** (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 22 October 2004 (22.10.2004) (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/513,653 23 October 2003 (23.10.2003) US
- (71) Applicant (*for all designated States except US*): **MAGNA INTERNATIONAL INC. [CA/US]; 1807 East Maple Road, Troy, MI 48083 (US)**.
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): **WERNER, Mark [CA/CA]; 5985 Abbott Street, LaSalle, Ontario N9J 3L6 (CA)**.

[Continued on next page]

(54) Title: LIFTGATE FRAME



(57) Abstract: A frame (18) for a liftgate (10) of a motor vehicle includes an upper frame member (24) and a generally U-shaped lower frame member (26). The upper frame member is adapted to be pivotally secured (33, 35) to the motor vehicle. The lower frame member (26) is fixedly secured to the upper frame member (24). The lower frame member (26) is integrally formed, and includes spaced apart vertical segments (36, 38) and a horizontal segment (40) extending therebetween for supporting the liftgate as the liftgate opens and closes.

WO 2005/042287 A1



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*